

WEST Search History

DATE: Thursday, September 04, 2003

Set Name Query
side by side

Hit Count Set Name
result set

DB=USPT,EPAB,DWPI; PLUR=YES; OP=ADJ

| | | | |
|-----|---|-------|-----|
| L1 | synthesi\$ same cDNA | 16285 | L1 |
| L2 | cDNA/mRNA hybrid | 53 | L2 |
| L3 | cap\$ same cDNA same first stand | 2 | L3 |
| L4 | cap-binding protein or non-native tag or cap structure or capping | 29598 | L4 |
| L5 | L4 and (eIF4E or eIF4G or nCBP or eIF4E:eIF4G) | 31 | L5 |
| L6 | recombinase | 1475 | L6 |
| L7 | L6 and topoisomerase III | 10 | L7 |
| L8 | l1 and l2 | 47 | L8 |
| L9 | L8 and l4 | 24 | L9 |
| L10 | L9 and l5 | 1 | L10 |
| L11 | L9 and l7 | 0 | L11 |
| L12 | L9 and l6 | 3 | L12 |
| L13 | L8 and expression vector | 39 | L13 |
| L14 | 5766891.pn. or 5162209.pn. | 4 | L14 |

END OF SEARCH HISTORY

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 24 of 24 returned.**☐ 1. Document ID: US 6563020 B1

L9: Entry 1 of 24

File: USPT

May 13, 2003

US-PAT-NO: 6563020

DOCUMENT-IDENTIFIER: US 6563020 B1

TITLE: Maize chitinases and their use in enhancing disease resistance in crop plants

DATE-ISSUED: May 13, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|------------|-------|----------|---------|
| Simmons; Carl R. | Des Moines | IA | | |
| Yalpani; Nasser | Johnston | IA | | |

US-CL-CURRENT: 800/279; 435/200, 435/412, 435/415, 435/416, 435/418, 435/419,
536/23.2, 536/23.6, 800/286, 800/298, 800/306, 800/312, 800/314, 800/320, 800/320.1,
800/320.2, 800/320.3, 800/322

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|
| Image | | | | | | | | | | | | |

☐ 2. Document ID: US 6555732 B1

L9: Entry 2 of 24

File: USPT

Apr 29, 2003

US-PAT-NO: 6555732

DOCUMENT-IDENTIFIER: US 6555732 B1

TITLE: Rac-like genes and methods of use

DATE-ISSUED: April 29, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|------------------|-------|----------|---------|
| Duvick; Jonathan P. | Des Moines | IA | | |
| Sharma; Yogesh Kumar | Maryland Heights | MO | | |

US-CL-CURRENT: 800/279; 435/252.3, 435/254.2, 435/320.1, 435/325, 435/419, 435/468,
435/69.1, 536/23.2, 536/23.6, 536/24.1, 536/24.5, 800/278, 800/286, 800/295, 800/298,
800/320, 800/320.1

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|
| Image | | | | | | | | | | | | |

☐ 3. Document ID: US 6518487 B1

L9: Entry 3 of 24

File: USPT

Feb 11, 2003

US-PAT-NO: 6518487

DOCUMENT-IDENTIFIER: US 6518487 B1

TITLE: Cyclin D polynucleotides, polypeptides and uses thereof

DATE-ISSUED: February 11, 2003

INVENTOR - INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------------|------------|-------|----------|---------|
| Lowe; Keith S. | Johnston | IA | | |
| Tao; Yumin | Ames | IA | | |
| Gordon-Kamm; William J. | Urbandale | IA | | |
| Gregory; Carolyn A. | Clive | IA | | |
| Hoerster; George J. | Des Moines | IA | | |
| McElver; John A. | Durham | NC | | |

US-CL-CURRENT: 800/298; 435/320.1, 435/419, 536/23.6

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|-----------|
| Image | | | | | | | | | | | | |

☐ 4. Document ID: US 6504084 B1

L9: Entry 4 of 24

File: USPT

Jan 7, 2003

US-PAT-NO: 6504084

DOCUMENT-IDENTIFIER: US 6504084 B1

**** See image for Certificate of Correction ****

TITLE: Maize NPR1 polynucleotides and methods of use

DATE-ISSUED: January 7, 2003

INVENTOR - INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------------|-----------------|-------|----------|---------|
| Crane, III; Edmund H. | Des Moines | IA | | |
| Rice; Douglas A. | Des Moines | IA | | |
| Simmons; Carl R. | Des Moines | IA | | |
| Tossberg; John T. | Durham | NC | | |
| Sandahl; Gary A. | West Des Moines | IA | | |
| Zhang; Lingyu | Johnston | IA | | |

US-CL-CURRENT: 800/279; 435/320.1, 435/412, 435/415, 435/416, 435/418, 435/419, 435/468, 536/23.6, 800/286, 800/301, 800/306, 800/312, 800/314, 800/320, 800/320.1, 800/320.2, 800/320.3, 800/322

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KMC | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|-----|-----------|
| Image | | | | | | | | | | | |

☐ 5. Document ID: US 6501008 B1

L9: Entry 5 of 24

File: USPT

Dec 31, 2002

US-PAT-NO: 6501008

DOCUMENT-IDENTIFIER: US 6501008 B1

TITLE: Maize endo-1,3;1,4-.beta.-glucanase nucleic acid

DATE-ISSUED: December 31, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|------------|-------|----------|---------|
| Nevins; Donald J. | Davis | CA | | |
| Simmons; Carl R. | Des Moines | IA | | |

US-CL-CURRENT: [800/298](#); [435/320.1](#), [435/419](#), [536/23.2](#), [536/23.6](#), [800/278](#), [800/290](#)

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KMIC | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|
| Image | | | | | | | | | | | |

☐ 6. Document ID: US 6486302 B1

L9: Entry 6 of 24

File: USPT

Nov 26, 2002

US-PAT-NO: 6486302

DOCUMENT-IDENTIFIER: US 6486302 B1

TITLE: Hm2 cDNA and related polypeptide

DATE-ISSUED: November 26, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------------|----------|-------|----------|---------|
| Briggs; Steven P. | DelMar | CA | | |
| Johal; Gurmukh | Columbia | MO | | |
| Multani; Dilbag Singh | Columbia | MO | | |

US-CL-CURRENT: [530/376](#); [536/23.6](#), [800/278](#), [800/279](#), [930/230](#)

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KMIC | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|
| Image | | | | | | | | | | | |

☐ 7. Document ID: US 6479730 B1

L9: Entry 7 of 24

File: USPT

Nov 12, 2002

US-PAT-NO: 6479730

DOCUMENT-IDENTIFIER: US 6479730 B1

**** See image for Certificate of Correction ****

TITLE: DNA Ligase II orthologue uses thereof

DATE-ISSUED: November 12, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-----------|-------|----------|---------|
| Mahajan; Pramod B. | Urbandale | IA | | |
| Shi; Jinrui | Johnston | IA | | |

US-CL-CURRENT: 800/278; 536/23.2, 536/23.6, 536/24.1, 800/298, 800/312, 800/314,
800/317, 800/320, 800/320.1, 800/320.2 , 800/320.3, 800/322

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KIMC | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|
| Image | | | | | | | | | | | |

☐ 8. Document ID: US 6403860 B1

L9: Entry 8 of 24

File: USPT

Jun 11, 2002

US-PAT-NO: 6403860

DOCUMENT-IDENTIFIER: US 6403860 B1

TITLE: Ku80 homologue and uses thereof

DATE-ISSUED: June 11, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-----------|-------|----------|---------|
| Mahajan; Pramod B. | Urbandale | IA | | |

US-CL-CURRENT: 800/278; 435/320.1, 435/419, 435/468, 435/69.1, 536/23.2, 536/23.6,
536/24.1, 800/295, 800/298, 800/306, 800/312, 800/314, 800/320, 800/320.1, 800/320.2,
800/320.3, 800/322

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KIMC | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|
| Image | | | | | | | | | | | |

☐ 9. Document ID: US 6392126 B1

L9: Entry 9 of 24

File: USPT

May 21, 2002

US-PAT-NO: 6392126

DOCUMENT-IDENTIFIER: US 6392126 B1

TITLE: Adenosine deaminase homologues and uses thereof

DATE-ISSUED: May 21, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-----------|-------|----------|---------|
| Mahajan; Pramod B. | Urbandale | IA | | |

US-CL-CURRENT: 800/295; 435/320.1, 435/410, 536/23.2

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KIMC | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|
| Image | | | | | | | | | | | |

☐ 10. Document ID: US 6388169 B1

L9: Entry 10 of 24

File: USPT

May 14, 2002

US-PAT-NO: 6388169

DOCUMENT-IDENTIFIER: US 6388169 B1

**** See image for Certificate of Correction ****

TITLE: Maize orthologues of bacterial RecA proteins

DATE-ISSUED: May 14, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------------|-----------|-------|----------|---------|
| Mahajan; Pramod B. | Urbandale | IA | | |
| Shi; Jinrui | Johnston | IA | | |
| Baszczynski; Christopher | Urbandale | IA | | |
| McElver; John | Durham | NC | | |
| Bowen; Benjamin | Hayward | CA | | |

US-CL-CURRENT: 800/278; 435/320.1, 435/419, 435/468, 435/69.1, 536/23.2, 536/23.6,
536/24.1, 536/24.5, 800/286, 800/295, 800/298, 800/306, 800/312, 800/314, 800/320,
800/320.1, 800/320.2, 800/320.3, 800/322

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|
| Image | | | | | | | | | | | |

☐ 11. Document ID: US 6313376 B1

L9: Entry 11 of 24

File: USPT

Nov 6, 2001

US-PAT-NO: 6313376

DOCUMENT-IDENTIFIER: US 6313376 B1

TITLE: Maize aquaporins and uses thereof

DATE-ISSUED: November 6, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|------------------|-------|----------|---------|
| Jung; Rudolf | Des Moines | IA | | |
| Chaumont; Francois | Louvain-la-Neuve | | | BE |
| Chrispeels; Maarten | La Jolla | CA | | |

US-CL-CURRENT: 800/278; 435/320.1, 435/419, 435/468, 435/69.1, 536/23.1, 536/23.6,
536/24.1, 536/24.5, 800/286, 800/290, 800/295, 800/298, 800/306, 800/312, 800/314,
800/320, 800/320.1, 800/320.2, 800/320.3, 800/322

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|
| Image | | | | | | | | | | | |

☐ 12. Document ID: US 6313375 B1

L9: Entry 12 of 24

File: USPT

Nov 6, 2001

US-PAT-NO: 6313375

DOCUMENT-IDENTIFIER: US 6313375 B1

**** See image for Certificate of Correction ****

TITLE: Maize aquaporins and uses thereof

DATE-ISSUED: November 6, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|------------|-------|----------|---------|
| Jung; Rudolf | Des Moines | IA | | |
| Barrieu; Francois | Bordeaux | | | FR |

US-CL-CURRENT: 800/278; 435/320.1, 435/419, 435/468, 435/69.1, 536/23.1, 536/23.6,
536/24.1, 536/24.5, 800/286, 800/290, 800/295, 800/298, 800/306, 800/312, 800/314,
800/320, 800/320.1, 800/320.2, 800/320.3, 800/322

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KMC | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|-----|-----------|
| Image | | | | | | | | | | | |

☐ 13. Document ID: US 6265636 B1

L9: Entry 13 of 24

File: USPT

Jul 24, 2001

US-PAT-NO: 6265636

DOCUMENT-IDENTIFIER: US 6265636 B1

TITLE: Pyruvate dehydrogenase kinase polynucleotides, polypeptides and uses thereof

DATE-ISSUED: July 24, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------------|-----------------|-------|----------|---------|
| Randall; Douglas D. | Columbia | MO | | |
| Thelen; Jay J. | Columbia | MO | | |
| Miernyk; Jan A. | Peoria | IL | | |
| Muszynski; Michael G. | Des Moines | IA | | |
| Sewalt; Vincent J. H. | West Des Moines | IA | | |

US-CL-CURRENT: 800/284; 435/320.1, 435/419, 435/468, 435/69.1, 536/23.1, 536/23.2,
536/23.6, 536/24.1, 536/24.5, 800/278, 800/281, 800/286, 800/293, 800/298, 800/306,
800/312, 800/314, 800/320, 800/320.1, 800/320.2, 800/320.3, 800/322

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KMC | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|-----|-----------|
| Image | | | | | | | | | | | |

☐ 14. Document ID: US 6235972 B1

L9: Entry 14 of 24

File: USPT

May 22, 2001

US-PAT-NO: 6235972
DOCUMENT-IDENTIFIER: US 6235972 B1

TITLE: Maize Rad23 genes and uses thereof

DATE-ISSUED: May 22, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-----------|-------|----------|---------|
| Mahajan; Pramod B. | Urbandale | IA | | |
| Tagliani; Laura | Ankeny | IA | | |

US-CL-CURRENT: 800/278; 435/320.1, 435/419, 435/468, 435/69.1, 536/23.1, 536/23.6,
536/24.1, 536/24.5, 800/286, 800/298 , 800/306, 800/312, 800/314, 800/320, 800/320.1,
800/320.2, 800/320.3, 800/322

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|
| Image | | | | | | | | | | | |

☐ 15. Document ID: US 6232527 B1

L9: Entry 15 of 24

File: USPT

May 15, 2001

US-PAT-NO: 6232527
DOCUMENT-IDENTIFIER: US 6232527 B1

TITLE: Maize Rad2/FEN-1 orthologues and uses thereof

DATE-ISSUED: May 15, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-----------|-------|----------|---------|
| Mahajan; Pramod B. | Urbandale | IA | | |

US-CL-CURRENT: 800/278; 435/320.1, 435/419, 435/468, 435/69.1, 536/23.1, 536/23.6,
536/24.1, 536/24.5, 800/286, 800/295 , 800/298, 800/306, 800/312, 800/314, 800/320,
800/320.1, 800/320.2, 800/320.3, 800/322

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|
| Image | | | | | | | | | | | |

☐ 16. Document ID: US 6211440 B1

L9: Entry 16 of 24

File: USPT

Apr 3, 2001

US-PAT-NO: 6211440
DOCUMENT-IDENTIFIER: US 6211440 B1

TITLE: Hm2 cDNA from maize encoding disease resistance polypeptide

DATE-ISSUED: April 3, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------------|----------|-------|----------|---------|
| Briggs; Steven P. | DelMar | CA | | |
| Johal; Gurmukh | Columbia | MO | | |
| Multani; Dilbag Singh | Columbia | MO | | |

US-CL-CURRENT: 800/301; 435/320.1, 435/419, 536/23.6, 800/279

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KIMC | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|
| Image | | | | | | | | | | | |

☐ 17. Document ID: US 6194638 B1

L9: Entry 17 of 24

File: USPT

Feb 27, 2001

US-PAT-NO: 6194638

DOCUMENT-IDENTIFIER: US 6194638 B1

TITLE: Alteration of hemicellulose concentration in plants

DATE-ISSUED: February 27, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------------|-----------|-------|----------|---------|
| Dhugga; Kanwarpal S. | Johnston | IA | | |
| Nichols; Scott E. | Johnston | IA | | |
| Fallis; Patricia Lynne | Polk City | IA | | |

US-CL-CURRENT: 800/284; 435/320.1, 435/419, 435/468, 435/69.1, 536/23.2, 536/23.6, 536/24.1, 536/24.5, 536/56, 800/278, 800/286, 800/295, 800/298, 800/305, 800/306, 800/312, 800/314, 800/315, 800/317.1, 800/317.4, 800/320, 800/320.1, 800/320.2, 800/320.3

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KIMC | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|
| Image | | | | | | | | | | | |

☐ 18. Document ID: US 6194637 B1

L9: Entry 18 of 24

File: USPT

Feb 27, 2001

US-PAT-NO: 6194637

DOCUMENT-IDENTIFIER: US 6194637 B1

**** See image for Certificate of Correction ****

TITLE: Maize DNA ligase I orthologue and uses thereof

DATE-ISSUED: February 27, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-----------|-------|----------|---------|
| Mahajan; Pramod B. | Urbandale | IA | | |
| Shi; Jinrui | Johnston | IA | | |

US-CL-CURRENT: 800/278; 435/419, 435/430, 435/431, 435/468, 435/69.1, 435/69.2, 536/23.1, 536/23.2, 536/23.6, 536/24.1, 536/24.5, 800/286, 800/306, 800/312, 800/314,

800/320, 800/320.1, 800/320.2, 800/320.3, 800/322

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KM/C | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|
| Image | | | | | | | | | | | |

☐ 19. Document ID: US 6180850 B1

L9: Entry 19 of 24

File: USPT

Jan 30, 2001

US-PAT-NO: 6180850

DOCUMENT-IDENTIFIER: US 6180850 B1

TITLE: Maize Ku70 orthologue and uses thereof

DATE-ISSUED: January 30, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-----------|-------|----------|---------|
| Mahajan; Pramod B. | Urbandale | IA | | |
| Shi; Jinrui | Johnston | IA | | |

US-CL-CURRENT: 800/278; 435/320.1, 435/419, 435/430, 435/431, 435/468, 435/69.1, 435/69.2, 536/23.1, 536/23.2, 536/23.6, 536/24.1, 536/24.5, 800/286, 800/306, 800/314, 800/320, 800/320.1, 800/320.2, 800/320.3, 800/321, 800/322

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KM/C | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|
| Image | | | | | | | | | | | |

☐ 20. Document ID: US 6111167 A

L9: Entry 20 of 24

File: USPT

Aug 29, 2000

US-PAT-NO: 6111167

DOCUMENT-IDENTIFIER: US 6111167 A

TITLE: Maize sina orthologue-1 and uses thereof

DATE-ISSUED: August 29, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-----------|-------|----------|---------|
| Mahajan; Pramod B. | Urbandale | IA | | |

US-CL-CURRENT: 800/278; 435/419, 435/430, 435/431, 435/468, 435/69.1, 435/69.2, 536/23.1, 536/23.2, 536/23.6, 536/24.1, 536/24.5, 800/286, 800/306, 800/312, 800/314, 800/320, 800/320.1, 800/320.2, 800/320.3, 800/322

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KM/C | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|
| Image | | | | | | | | | | | |

☐ 21. Document ID: US 6107545 A

L9: Entry 21 of 24

File: USPT

Aug 22, 2000

US-PAT-NO: 6107545

DOCUMENT-IDENTIFIER: US 6107545 A

TITLE: Maize RAD6 genes and uses thereof

DATE-ISSUED: August 22, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-----------|-------|----------|---------|
| Mahajan; Pramod B. | Urbandale | IA | | |

US-CL-CURRENT: 800/278; 435/419, 435/430, 435/431, 435/468, 435/69.1, 435/69.2,
536/23.1, 536/23.2, 536/23.6, 536/24.1, 536/24.5, 800/286, 800/306, 800/312, 800/314,
800/320, 800/320.1, 800/320.2, 800/320.3, 800/322

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KMIC | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|
| Image | | | | | | | | | | | |

☐ 22. Document ID: US 6077993 A

L9: Entry 22 of 24

File: USPT

Jun 20, 2000

US-PAT-NO: 6077993

DOCUMENT-IDENTIFIER: US 6077993 A

TITLE: Maize repair protein orthologue-1 and uses thereof

DATE-ISSUED: June 20, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-----------|-------|----------|---------|
| Mahajan; Pramod B. | Urbandale | IA | | |

US-CL-CURRENT: 800/278; 435/252.2, 435/419, 435/468, 435/69.1, 536/23.1, 536/23.2,
536/23.6, 536/24.1, 536/24.5, 800/286, 800/306, 800/312, 800/314, 800/320, 800/320.1,
800/320.2, 800/320.3, 800/322

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KMIC | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|
| Image | | | | | | | | | | | |

☐ 23. Document ID: US 4661450 A

L9: Entry 23 of 24

File: USPT

Apr 28, 1987

US-PAT-NO: 4661450

DOCUMENT-IDENTIFIER: US 4661450 A

TITLE: Molecular cloning of RNA using RNA ligase and synthetic oligonucleotides

DATE-ISSUED: April 28, 1987

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|------------|-------|----------|---------|
| Kempe; Tomas | Minnetonka | MN | | |
| Purchio; Anthony F. | Edina | MN | | |
| Collett; Marc S. | Minnetonka | MN | | |
| DeLorbe; William J. | Minnetonka | MN | | |

US-CL-CURRENT: 435/91.41; 435/320.1, 435/488

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KVMC | Draw Desc |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|
| Image | | | | | | | | | | | |

☐ 24. Document ID: JP 2002539784 W WO 200056878 A1 AU 200033978 A EP 1165768 A1

L9: Entry 24 of 24

File: DWPI

Nov 26, 2002

DERWENT-ACC-NO: 2000-587664

DERWENT-WEEK: 200307

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: A multi-step method for producing full-length coding sequence from isolated mRNA comprises attaching a non-native tag to a single stranded cDNA product derived from the mRNA as one of the steps

INVENTOR: COMISKEY, J D; HEYMAN, J A ; MARCIL, R ; PHELAN, D

PATENT-ASSIGNEE:

ASSIGNEE

CODE

INVITROGEN CORP

INVIN

PRIORITY-DATA: 1999US-125126P (March 19, 1999)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|-----------------|--------------------|----------|-------|------------|
| JP 2002539784 W | November 26, 2002 | | 032 | C12N015/09 |
| WO 200056878 A1 | September 28, 2000 | E | 026 | C12N015/10 |
| AU 200033978 A | October 9, 2000 | | 000 | C12N015/10 |
| EP 1165768 A1 | January 2, 2002 | E | 000 | C12N015/10 |

DESIGNATED-STATES: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG
MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ
UG ZW AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

APPLICATION-DATA:

| PUB-NO | APPL-DATE | APPL-NO | DESCRIPTOR |
|----------------|----------------|----------------|------------|
| JP2002539784W | March 13, 2000 | 2000JP-0606737 | |
| JP2002539784W | March 13, 2000 | 2000WO-US06560 | |
| JP2002539784W | | WO 200056878 | Based on |
| WO 200056878A1 | March 13, 2000 | 2000WO-US06560 | |
| AU 200033978A | March 13, 2000 | 2000AU-0033978 | |
| AU 200033978A | | WO 200056878 | Based on |
| EP 1165768A1 | March 13, 2000 | 2000EP-0912216 | |
| EP 1165768A1 | March 13, 2000 | 2000WO-US06560 | |
| EP 1165768A1 | | WO 200056878 | Based on |

INT-CL (IPC): C07 K 14/195; C07 K 14/47; C07 K 19/00; C12 N 9/90; C12 N 15/09; C12 N 15/10; C12 N 15/62; C12 N 15/70; C12 N 15/85; C12 Q 1/68

ABSTRACTED-PUB-NO: WO 200056878A
BASIC-ABSTRACT:

NOVELTY - A method (M1) of producing full-length coding sequence from isolated mRNA, where one of the steps comprises attaching a non-native tag to a single stranded cDNA product, is new. The tag may comprise a sequence of nucleic acids having additional utility, such as providing for convenient cloning activities.

DETAILED DESCRIPTION - A method (M1) of producing full-length coding sequence where one of the steps comprises attaching a non-native tag to a single stranded cDNA product, is new. The tag may comprise a sequence of nucleic acids having additional utility, such as providing for convenient cloning activities.

The method comprises:

- (a) synthesizing the first strand cDNA using isolated full-length mRNA from a population of cells as a template, therefore forming first strand cDNA/mRNA hybrid(s);
- (b) denaturing the first strand cDNA/mRNA hybrid(s);
- (c) attaching a non-native tag sequence to the 3' end of the first strand cDNA; and
- (d) producing a full-length double-stranded cDNA by synthesizing second strand cDNA using the tagged first strand cDNA produced in step (c).

INDEPENDENT CLAIMS are also included for the following:

- (1) an isolated full length coding sequence (N1) prepared using M1;
- (2) an expression vector comprising N1; and
- (3) a fusion protein comprising eIF4E and eIF4G.

USE - The method is useful for cloning and characterization of nucleic acid sequences encoding a full-length protein.

ADVANTAGE - The method is efficient and robust.

CHOSEN-DRAWING: Dwg.0/1

TITLE-TERMS: MULTI STEP METHOD PRODUCE FULL LENGTH CODE SEQUENCE ISOLATE MRNA COMPRISE ATTACH NON NATIVE TAG SINGLE STRAND CDNA PRODUCT DERIVATIVE MRNA ONE STEP

DERWENT-CLASS: B04 D16

CPI-CODES: B04-E03; B04-E08; B04-F1100E; B04-N0200E; D05-A02C; D05-A02E; D05-H12A;

D05-H12E;

CHEMICAL-CODES:

Chemical Indexing M1 *01*

Fragmentation Code

M423 M710 M720 M905 N135 Q233

Specific Compounds

A00NSN A00NSP

Chemical Indexing M1 *02*

Fragmentation Code

M423 M710 M905 N135 Q233

Specific Compounds

A00H3N

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2000-175357

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|-------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Image | | | | | | | | | |

| KVMC | Draw Desc |
|------|-----------|
|------|-----------|

[Generate Collection](#)[Print](#)

| Term | Documents |
|-----------------------------|-----------|
| (8 AND 4).USPT,EPAB,DWPI. | 24 |
| (L8 AND L4).USPT,EPAB,DWPI. | 24 |

Display Format:

-

[Change Format](#)[Previous Page](#)[Next Page](#)